

IN THE SPECIFICATION

1. Please amend the paragraph on page 17, lines 4-15, as follows:

FIG. 4 is a view showing a configuration of a piece of base station apparatus provided with a piece of apparatus for interference suppression transmission according to the embodiment 3 of the present invention, and a system in which the above base station apparatus performs radio communication with pieces of mobile station apparatus. Here, components which are shown in FIG. 4 and are similar to those in the embodiment 2 (FIG. 3) ~~{{Translator's comment: the original "(FIG. 4)" could be corrected to "(FIG. 3)"}}~~ are denoted by the same reference numerals as those in FIG. 3, and the detailed description will be eliminated.

2. Please amend the paragraph on page 31, lines 9-17, as follows:

The embodiment 9 will be described for a case where array antennas are used as antennas in the above embodiments 1 through 8 ~~{{translator's comment: the original "through the embodiment 9" could be changed to "through the embodiment 8"}}~~. Hereinafter, a piece of apparatus for interference suppression transmission

according to the present embodiment will be described referring to FIG. 11. Here, the following description will be performed referring to the above embodiment 1.

3. Please amend the paragraph on page 40, lines 1-14, as follows:

However, in the present embodiment, the base station apparatus (a) 1301 may mix a signal element suppressing the above interference into a signal to be transmitted to the mobile station apparatus (a) 1303 through a channel 1307 ~~{{translator's comment: the original "channel 3071 could be corrected to "channel 1307"}}~~, as the base station apparatus (b) 1302 notifies information on the channel 1311 and a transmission signal to the mobile station apparatus (d) 1306 to the base station apparatus (a) 1301 through the communication channel 1312. Thereby, the base station apparatus (b) may assign to the mobile station apparatus (d) 1306 the frequency F1 which has been assigned to the mobile station apparatus (a) 1303 by the base station (a) 1301.